

ABSTRACT

A wireless line sharing network system enabling the charge of fees according to the use of a wireless communication network as well as reduction in capital invested by a communication carrier. A user terminal that subscribes to a communication carrier accesses a corresponding communication carrier network at a licensed radio frequency through a wireless base station (BS) and a control station (10). In response to a call connection request, a call acceptance controller (101) accepts the call and reserves bandwidth based on a radio bandwidth allocation pattern defined by contract and current use conditions. A bandwidth determination section (107) determines bandwidth for the call connection request using the call connection request, a call connection acknowledgement and a bandwidth table (106). A rate change controller (103) controls bandwidths for user terminals so that the currently used bandwidth of each communication carrier are kept within a predetermined range. An accounting controller (110) charges each communication carrier according to the radio bandwidth lease agreement.